

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A heating device for a motor vehicle[[s with]] that includes an internal combustion engine and [[with]] an engine coolant circuit, the heating device (1) comprising a housing defining ~~consisting of~~ a heat generation chamber, (2) with a cooling jacket (6) ~~around which the coolant flows and with~~ a rotor (13) rotating ~~mounted~~ in the heat generation chamber (2) and fastened ~~for rotation~~ on a drive shaft (9), and the ~~a~~ cooling jacket (6) being part of ~~defining~~ a cooling chamber in heat exchange relationship with the heat generation chamber, (3) with ~~the~~ cooling chamber being adapted for circulating ~~the engine~~ coolant and including a coolant inlet connection piece (4) and with ~~and~~ a coolant outlet connection piece (5), and characterized in that a pump wheel (17) driven by the drive shaft (9) [[is]] arranged in the cooling chamber (3) for circulating the coolant.
2. (Currently Amended) The device as claimed in claim 1, wherein characterized in that the cooling jacket (6) has a central protuberance (15) which is arranged coaxially to the drive shaft (9) and outside which the pump wheel (17) is arranged and inside which a shaft stub (9e) of the drive shaft (9) is arranged.
3. (Currently Amended) The device as claimed in claim 1, wherein characterized in that the pump wheel (17) can be driven magnetically by the shaft stub (9e).
4. (Currently Amended) The device as claimed in claim 3, wherein characterized in that permanent magnets (16) are fastened on the circumference of the shaft stub (9e).
5. (Currently Amended) The device as claimed in claim 3, wherein characterized in that the pump wheel (17) has a hub (17a) which is mounted rotatably on the protuberance (15, 15a) and in which permanent magnets (18) distributed over the circumference are fastened.
6. (Currently Amended) The device as claimed in claim 3, wherein characterized in that the pump wheel (17) consists of a magnetizable plastic.
7. (Currently Amended) The device as claimed in claim 1, wherein characterized in that the

pump wheel (17, 17a, 17b) is designed as an axial/radial wheel and the coolant inlet connection piece (4) is arranged coaxially to the drive shaft (9).

8. (Currently Amended) The device as claimed in claim 2, wherein characterized in that the protuberance (15, 15a) consists of a nonmagnetizable material.

9. (Currently Amended) The device as claimed in claim 1, wherein characterized in that the cooling chamber (3) is formed from the cooling jacket (6) and from a cover (19) and is designed as a heat exchanger.

10. (Currently Amended) The device as claimed in claim 9, wherein characterized in that the cooling jacket (6) and/or the cover (19) have cooling ribs (20) which form cooling ducts (21) for the coolant.

11. (Currently Amended) The device as claimed in claim 10, wherein characterized in that the cooling ducts (21) run radially outward approximately spirally from the pump wheel (17).

12. (Currently Amended) The device as claimed in claim 11, wherein characterized in that the coolant outlet connection piece (5) is arranged on the cooling chamber radially on the outside.

13. (Currently Amended) The device as claimed in claim 1, wherein characterized in that the heat generation chamber (2) is filled with a viscous medium, and in that the rotor (13) together with the cooling jacket (6) forms at least one operating gap (14) in which the heat is generated by fluid friction.